Herpetologica, 54(4), 1998, 550–558
© 1998 by The Herpetologists' League, Inc.

INDEX TO SCIENTIFIC NAMES

HERPETOLOGICA

Volume 54 December 1998

Abies balsamea 114
Abronia 221
anzuetoi 225, 229–233
aurita 225, 229–233
bogerti 224, 229, 232
campbelli 225, 230–233
chiszari 232
deppii 232
fimbriata 225, 229–230, 232–233
***frosti* 221–222**, 223–226, 228–233
fuscolabialis 232
gaiophantasma 224–225, 228–230, 232–233
graminea 232
leurolepis 229–230, 232
lythrochila 229–130, 232
matudai 225, 229–233
mitchelli 232
mixteca 232
montecristoi 221, 224–225, 229–233
oaxacae 232
ochoterenai 229–232
ornelasi 221, 229, 231–233
ramirezi 224, 231–232
reidi 221, 231–233
salvadorensis 221, 224, 229, 231–233
smithi 229, 232
taeniata 232
Acanthosaura 533
Acer 89
Acheta 535
domesticus 410
Adelastes hylonomos 250
Adelphicos 207, 209–210, 213, 217–218
veraepacis 216
Adenomera 64
andreae 62, 71
Agave 444
Agkistrodon contortrix 184–185, 188–191, 193–194, 196–199, 201, 203
piscivorus 194
Akodon 270
Alsodes 64–65
nodosus 71
vanzolini 71
Alytes muletensis 122
obstetricans 68, 72, 360–361, 405
Ammocrypta 406
Amphibolorus ornatus 540
Ambystoma 11
maculatum 1–7, 9–10
tigrinum 281, 285
Aneides 158, 296
flavipunctatus 157, 282
Anolis S13
aeneus 392
carolinensis 392–293
garmani 392
sagrei 388–394
Anotheca spinosa 430
Anotosaura 245–246, 250
brachylepis 252–253
collaris 252
vanzolinia 252–253
Ansonia albomaculata 450
fuliguinea 450
guibei 450
hanitschi 450
***inthanon* 448**–449, 450, 452–453
latidisca 450
leptopus 450, 453
longidigita 450
malayana 448–451
mcgregori 450
minuta 450
muelleri 450
ornata 448–449, 453
penangensis 449–450
platysoma 450
rubigina 449, 453
rubrigina 449
siamensis 448–451
spinulifer 450
tiomanica 450
torrentis 450
Apatelus bresslaui 170
Apostolepis ambiniger 470–471
arenaria 471
assimilis 470–471, 474–476
borelli 471
cearensis 471
dimidiata 470–471, 473–476
dorbignyi 470–471
flavotorquata 471
gaboi 471
goiasensis 471
intermedia 471
lineata 471
longicaudata 471
niceforoi 471
nigroterminata 471
polylepis 471
pymi 471
quinquelineata 471
***quirogai* 470**–476
rondoni 471
tenuis 470–471
vittata 471
Artemisia tridentata 444
Artemsia tridentata 89
Arthrosauria synaptolepis 250

Herpetologica, 54(4), 1998, 550–558
© 1998 by The Herpetologists' League, Inc.

INDEX TO SCIENTIFIC NAMES

HERPETOLOGICA

Volume 54 December 1998

Abies balsamea 114
Abronia 221
anzuetoi 225, 229–233
aurita 225, 229–233
bogerti 224, 229, 232
campbelli 225, 230–233
chiszari 232
deppii 232
fimbriata 225, 229–230, 232–233
***frosti* 221–222**, 223–226, 228–233
fuscolabialis 232
gaiophantasma 224–225, 228–230, 232–233
graminea 232
leurolepis 229–230, 232
lythrochila 229–130, 232
matudai 225, 229–233
mitchelli 232
mixteca 232
montecristoi 221, 224–225, 229–233
oaxacae 232
ochoterenai 229–232
ornelasi 221, 229, 231–233
ramirezi 224, 231–232
reidi 221, 231–233
salvadorensis 221, 224, 229, 231–233
smithi 229, 232
taeniata 232
Acanthosaura 533
Acer 89
Acheta 535
domesticus 410
Adelastes hylonomos 250
Adelphicos 207, 209–210, 213, 217–218
veraepacis 216
Adenomera 64
andreae 62, 71
Agave 444
Agkistrodon contortrix 184–185, 188–191, 193–194, 196–199, 201, 203
piscivorus 194
Akodon 270
Alsodes 64–65
nodosus 71
vanzolini 71
Alytes muletensis 122
obstetricans 68, 72, 360–361, 405
Ammocrypta 406
Amphibolorus ornatus 540
Ambystoma 11
maculatum 1–7, 9–10
tigrinum 281, 285
Aneides 158, 296
flavipunctatus 157, 282
Anolis S13
aeneus 392
carolinensis 392–293
garmani 392
sagrei 388–394
Anotheca spinosa 430
Anotosaura 245–246, 250
brachylepis 252–253
collaris 252
vanzolinia 252–253
Ansonia albomaculata 450
fuliguinea 450
guibei 450
hanitschi 450
***inthanon* 448**–449, 450, 452–453
latidisca 450
leptopus 450, 453
longidigita 450
malayana 448–451
mcgregori 450
minuta 450
muelleri 450
ornata 448–449, 453
penangensis 449–450
platysoma 450
rubigina 449, 453
rubrigina 449
siamensis 448–451
spinulifer 450
tiomanica 450
torrentis 450
Apatelus bresslaui 170
Apostolepis ambiniger 470–471
arenaria 471
assimilis 470–471, 474–476
borelli 471
cearensis 471
dimidiata 470–471, 473–476
dorbignyi 470–471
flavotorquata 471
gaboi 471
goiasensis 471
intermedia 471
lineata 471
longicaudata 471
niceforoi 471
nigroterminata 471
polylepis 471
pymi 471
quinquelineata 471
***quirogai* 470**–476
rondoni 471
tenuis 470–471
vittata 471
Artemisia tridentata 444
Artemsia tridentata 89
Arthrosauria synaptolepis 250

Asaccus 30
Ascaphus truei 68, 360–361
Astrocayum 377
Atelognathus **ceii** 44–**45,** 46–52, 63
grandisonae 44–45, 47, 52
nitoi 45, 47, 51–52
patagonicus 45, 52, 54, 65, 70–71
patagonius 70
praebasalticus 45, 52, 62, 64–65, 70–71
reverberii 45, 52, 62, 70–71
salai 45, 47, 51–52
solitarius 45, 47, 52
Atelopus 385
balios 370, 373
certus 370, 373
chiriquiensis 374
cruciger 370
flavescens 370, 373
ignescens 370
limosus 374
peruensis 370
pulcher 370
sp. 374
spumarius 370
subornatus 370
tricolor 370
varius 370, 374
zeteki 370–375
Atractus 207, 209–210, 216–218
Atropoides nummifer 184–185, 188, 190, 192, 195–199, 201, 203
olmec 184
picadoi 184
Attalea 378
Bachia barbouri 171, 252–253
bicolor 252–253
blairi 171, 245, 252–253
bresslaui 169–173, 250, 252–253
cophias 172, 245, 251
dorbignyi 172, 252–253
flavescens 172, 245, 250–251, 252
flavescens parkeri 252
guianensis 245, 252–253
heteropa 171, 250, 252–253
huallagana 172, 252–253
intermedia 171, 252–253
monodactylus 171
pallidiceps 245, 252–253
panoplia 172, 245–246, 250–253
parkeri 253
peruana 172, 252–253
***pyburni* 246**–247, 249–252
scolecoides 172, 252–253
sp. 251
talpa 252
trisanale 171–172, 252–253
Barbourula busuagensis 68
Barisia 529
Barycholos 63–65
pulcher 62, 71
Batrachophrynus 62–65, 69
macrostomus 67, 71
Batrachoseps 281, 296
Batrachyla 53, 65
taeniata 71
Bolitoglossa 17
franklini 282
macrinii 282
meliana 282
rostrata 228
Bombina bombina 344
igneus 344
orientalis 68, 72, 344–347, 349–351, 353–355, 357, 359–362
pachypus 344
variegata 344, 405
Bothriechis aurifer 201
bicolor 184–185, 188, 190–191, 197–201, 203
lateralis 184–185, 188, 190–191, 193–194, 197–201, 203
nigroviridis 184–185, 188, 190–191, 197–201, 203
schlegelii 184–185, 188–191, 193, 197–201, 203
Bothriopsis 184
Bothrops asper 184–185, 188, 190, 195, 197–199, 201, 203, 462–468
atrox 462
Bufo 131
americanus 2, 10, 317, 320–324, 364, 368, 405–407, 431
bocourti 228
boreas 318, 365, 405–407
bufo 364, 405, 407, 431
calamita 405, 407, 431
californicus 318, 322–324
cognatus 317–318, 320–324
cognatus californicus 318
columbiensis 318
compactilis 318
compactilis californicus 318
compactilis compactilis 318
compactilis fowleri 318
compactilis speciosus 318
compactilis woodhousii 318
fowleri 324
hemiophrys 320–321, 324
houstonensis 320–321, 324
japonicus 282
marinus 364–368, 402–407
mexicanus 318, 322–324
microscaphus 317–319, 321–324
microscaphus californicus 317–323
microscaphus mexicanus 317–323
microscaphus microscaphus 317–323
speciosus 317–318, 320–321, 323, 325
terrestris 320–321, 325
typhonius 546
woodhousii 318–319, 325
woodhousii californicus 318
woodhousii fowleri 320–321
woodhousii microscaphus 318
woodhousii woodhousii 320–321
Buteo jamaicensis 100
Calloselasma rhodostoma 468
Calotes versicolor 534
Calyptommatus 248
Carrichtera annua 417
Casuarina 330
Caudiverbera 53, 62–65, 68–69

caudiverbera 67, 71
Celestus curtissi 335
stenurus 335
Ceratophrys 53, 62, 65, 67–68
calcarata 63, 71
cornuta 63–64, 71
ornata 64, 71
Ceratophylum 50
Cerrophidion barbouri 184, 201
godmani 184–185, 188, 190–192, 194–199, 201, 203, 216, 229
tzotzilorum 184
Chacophrys 64, 68
Chalcophrys pierotti 71
Chamaedaphne calyculata 114
Chamaeleo chamaeleon 395–396, 400
Chameleo calyptratus 161
***Chapinophis* 209**–211, 217
xanthocheilus 207, 209–**210,** 212–216, 218
Charina bottae 88–101
Chelonia mydas 114
Chelydra serpentina 104, 110–111, S33
Cherax quadricarinatus 364–365, 367–368
Chersodromus 207, 209–210, 217–218
Chirixalus eiffingeri 425–426, 429–431
Chiropterotriton picadoi 459
Chondrodactylus 31
Chorthippus parallelus 445
Chrysemys picta 104, 112–114, 116–119
Chrysothammus 89
Clusia 306
Cnemidophorus inornatus 540
Colobodactylus 245–246, 250
delcyanus 252
taunayi 253
Colobosauria 245–246, 250
dalcyanus 253
modesta 252–253
taunayi 252
Colopus 31
Colostethus collaris 385
herminae 385
marchesianus 377–379, 381–386
nubicola 384
stepheni 377–386
Cophixalus riparius 70
Cophotis 453
Corallus 270
Cordylus 413
Crenadactylus 19
Crinia signifera 72
Crisantophis 209–211, 218
Crossodactylus 64–65, 69
dispar 62–63, 70–71
gaudichaudi 62–63, 71
Crotalus atrox S9
horridus S33
scutulatus scutulatus 467
Cupressus sempervirens 396
Cyclorhamphus 51
Cyclorhampus asper 63, 71
eleutherodactylus 63, 71
fuliginosus 63, 71
Cycloramphus asper 62, 65–67
aspera 67
eleutherodactylus 67
fuliginosus 67
Cynops pyrrhogaster 282
Dendrobates granuliferus 384
histrionicus 384–385
myersi 249
pumilio 386, 426, 429, 431
quinquevitatus 385
terribilis 385
Dendrotriton 459
sanctibarbarus 455
Dermophis mexicanus 157, 159
Desmognathus 296
carolinensis 282
fuscus 281, S31-S32
ochrophaeus 152, 281, S32
ocoee 282
orestes 282
quadramaculatus S31
Diadophis punctatus S32-S33
Dinodon rufozonatum 430
Diplodactylus granariensis 20
ocellatus 19
vittatus 20
Dipsas 208–209, 216–217
Discoglossus pictus 68, 360–361, 405
sardus 360–361
Draco 453, 533
Drosophila 535
Dunubia 131
Dytiscus 365, 407
Ebenavia boettgeri 19–21, 23–25
horni 19
cf. *inunguis* 18
inunguis 18–26, 30–31
maintimainty 20–21, 24–25, **27,** 29–30, 32
sp. nov. 23
Edalorhina perezi 62, 71
Egernia cunninghami 414
hosmeri 415
saxatalis 414
stokesii 414–415
whitii 414
Eleocharis smallii 114
Eleutherodactylus 54, 68
abbotti 64–65, 72
acerus 64–65, 72
achatinus 57, 64–65, 72
actites 64, 72
acuminatus 65, 70, 72
alcoae 62, 64–65, 72
alfredi 65, 71
altamazonicus 64, 72
andi 64, 71
atkinsi 62, 64–65, 72
audanti 64–65, 72
augusti 57, 64–65, 71
auriculatoides 72
binotatus 53, 61, 64, 69, 71
bransfordi 57, 62, 64–65, 71
cajamarcensis 72
caryophyllaceus 64, 72
cavernicola 62, 64–65, 72

chloronotus 64–65, 72
cooki 65, 72
coqui 57, 62, 64–65, 70, 72
counouspeus 61, 64–65, 72
crassidigitus 71
cruentus 64, 72
cystignathoides 72
cystignathus 64
diastema 140
diastemus 64, 72
dixoni 62, 64, 72
fitzingeri 57, 64–65, 71
flavescens 72
fleischmanni 57, 64–65, 71
fuscus 62, 64, 72
glandulifer 64, 72
guentheri 65, 72
haitianus 64, 72
hypostenor 65, 72
incomptus 64–65, 72
inoptatus 57, 64–65, 72
jamaicensis 62, 64–65, 72
johnstonei 61, 64–65, 70, 72
karlschmidti 57, 61, 64–65, 70, 72
leoni 64, 72
leprus 57, 61–62, 64–65, 72
leucopus 64–65, 72
martinicensis 53, 57, 61, 64–65, 67, 69–72
melanostictus 71
mexicanus 62, 64, 71
minutus 64–65, 72
molybrignus 64, 72
monensis 62, 64–65, 72
montanus 64–65, 72
myersi 64, 72
necerus 64, 71
nicefori 64, 72
octavioi 57, 61–62, 64–65, 72
parvus 61, 72
patriciae 64–65, 72
permixtus 64, 72
peruvianus 64, 72
phoxcephalus 65
phoxocephalus 57, 64, 70, 72
pictissimus 62, 64–65, 72
pipilans 57, 62, 64–65, 72
planirostris 62, 64–65, 72
prolatus 64, 72
pseudacuminatus 64–65, 72
raniformis 57, 65, 71
rhodopis 62, 64–65, 71
richmondi 62, 64–65, 72
ridens 64–65, 72
riveti 64, 72
rostralis 62, 64, 71
rugulosus 72
sanctaemartae 64, 72
schmidti 57, 62, 64–65, 70, 72
semipalmatus 62, 64–65, 72
sierramaestrae 64–65, 72
stejnegerianus 62, 64, 71
surdus 64, 64, 72
toftae 64, 72
trepidotus 64, 72
truebae 64, 72
unistrigatus 61, 64–65, 72
urichi 64, 72
variabilis 64, 72
vertebralis 72
wetmorei 64–65, 70, 72
wightmanae 64–65, 72
w-nigrum 57, 64–65, 72
xucanebi 61, 69, 71
Emoia 331
Enchylaena tomentosa 416
Enneacanthus 435
Ensatina 280–282, 285
croceater 255, 258, 263, 265–267, 269–272, 275–276, 294–296
eschscholtzii 254–256, 258–262, 264, 268–273, 279, 292–296
eschscholtzii croceater 255, 268, 275, 284, 286–290
eschscholtzii eschscholtzii 255–257, 268, 274, 284, 286
eschscholtzii klauberi 255–257, 268, 276, 284, 286–289
eschscholtzii oregonensis 255–257, 268, 273, 284, 286, 290, 293
eschscholtzii picta 255, 257, 263, 268, 273–274, 276, 284
eschscholtzii platensis 255, 257, 265, 268, 273, 275, 283–284, 286–290
eschscholtzii xanthoptica 255–257, 268, 274, 284, 286, 293
klauberi 254–256, 258, 263, 265–269, 271, 273, 276, 294–296
oregonensis 254–255, 258, 262–264, 266, 269–271, 274, 276, 291–293, 295
picta 255, 258, 262–263, 269, 271, 274, 291
platensis 254–256, 258, 262–276, 294–296
sierrae 275, 288
xanthoptica 254–256, 258, 262, 268–273, 276, 292–293, 295–296
Enulius 213
flavitorques 213
Epipedobates 385
femoralis 386
Etheostoma 406
Eucalyptus 396
Euhyas 61–62
Eumeces 529
laticeps 392
Eunectes murinus 516
notaeus 516
Euparkerella 64
brasiliensis 57, 68, 72
Eupsophus 62–64, 68
migueli 65, 72
roseus 72
vertebralis 72
Eurycea cirrigera S31–S32
quadridigitata S24
Felis catus 100
Ficus 389–391
Gastrophryne carolinensis 368
Gecko gecko 540
Geckobiella harrisi 503, 507
Geckolepis 342

maculata 32
typica 32
Geckonia 31
Gekko vittatus 331
Geobatrachus 64
ruthveni 57, 62, 68, 72
Geophis 207–210, 216–218
championi 209
dubius 209
latifrontalis 209
Gerrhonotus coeruleus 525
Gloydius blomhoffii 184–185, 188–190, 195, 197–199, 201, 203
Gymnophthalmus 248
Gyrinophilus S33
porphyriticus S31
Hedera helix 396
Heleobias 50
Heleophryne 53, 63, 66
natalensis 72
Heredia oregonensis 274
Heterodactylus 245–246, 250
imbricatus 252–253
lundii 252–253
Holoaden 63, 65
bradei 62, 72
Homopholis 31
Hoplodactylus maculatus 97
Hydaticus vittatus 364–365, 367–368
Hydrolaetare 53, 63, 65, 69
schmidti 72
Hydromantes shastae 282
Hyla 435
arborea 405–406
brevipoda 282
chrysoscelis 2, 10
hutchinsi 249
japonica 282
lanciformis 360–361
limnocharis 282
nigromaculata 282
regilla 282, 405–407
rugosa 282
tagoi 282
Hylodes 53, 64–65, 69
asper 72
aspera 62–63
glaber 72
laterostrigata 62
laterostrigatus 72
Hylorina 62, 65
sylvatica 53, 70, 72
Hypsirhynchus ferox 335
Insuetophrynus 63–65, 67
acarpicus 72
Ischnocnema 65
quixensis 62, 72
Japalura 81
Kaokogecko vanzyli 31
Kinosternon baurii 174–182, 184
subrubrum 174, 177–183
subrubrum hippocrepis 175, 181
subrubrum steindachneri 175
subrubrum subrubrum 175–176, 180–181
Lacerta agilis 393, 534
Lampropeltis triangulum 216, S33
Lates calcarifer 364–365
Leiopelma hochstetteri 68
Lepidobatrachus 53, 65, 67–68
asper 72
llanensis 63, 72
Lepidodactylus aureolineatus 326, 330–331
gardineri 235, 327–328, 330, 332
guppyi 325–328, 330–332
lugubris 325, 330
moestus 325, 331
novaeguineae 327, 330, 332
paurolepis 327, 330, 332
pulcher 327, 330, 332
shebae 326–327, 330
***vanuatuensis* 325–327,** 328–331
Lepomis 407, 435
Leptodactylus 53, 69
albilabris 140
fuscus 62, 72
pentadactylus 55–58, 61–66, 72
rhodomystax 72
rhodonotus 72
Lethocerus americanus 365
insulanus 364–367
Limnodynastes dumerili 72
fletcheri 72
tasmaniensis 65–66, 72
Limnomedusa 63–65
macroglossa 70, 72
Limnonectes 74
Lithodytes 63–64
lineatus 72
Lumbricus 154
Lycium ferocissium 417
Lynchophrys 62, 65, 69
brachydactylus 67, 72
Mabuya 413
aureopunctata 336–337, 342
betsileana 336, 341–342
boettgeri 336, 342
dumasi 336–337, 341–342
elegans 336–337, 342
gravenhorstii 336, 342
madagascariensis 336, 342
***nancycoutuae* 336–337,** 338–343
perrotetii 342
vato 336–337, 340–343
Medicago minima 417
Megaelosia 53, 62, 65, 69
goeldi 72
Mesaspis moreletii 229
Micrablepharus 248
Microhyla 131
Microlophus 493
albemarlensis 517
delanonis 517–518
occipitalis 161–167
Micrurus 270
elegans 216
Mixophrys iteratus 72
Mus musculus 435, 444
Myoporum tenuifolius 396

Nactus multicarinatus 21
Nelsonophryne 301, 314
Nerium oleander 396
Nerodia sipedon S33
Neusticurus apodemus 235–236, 241–243
bicarinatus 235–236, 243
cochranae 235–236, 241, 243
ecpleopus 235–236, 241–244
***juruazensis* 236**–237, 241–244
medemi 235–236, 242–243
ocellatus 235–236, 241, 243
racenisi 235–236, 241, 243
rudis 235–236, 243
strangulatus 236, 241, 243
strangulatus strangulatus 235
strangulatus trachodus 235
tatei 235–236, 243
Ninia 207, 209–210, 217–218
Norops crassulus 228
Nothobachia 248
Nothofagus 44
antarctica 50–51
Notophthalmus 406
viridescens 5, S32
Nototriton adelos 459
abscondens 459
alvarezdeltoroi 459–460
barbouri 16, 455–456, 458–460
guanacaste 16
lignicola 455–456, 458–460
***limnospectator* 455**–460
nasalis 455, 459–460
picadoi 13–17, 459
richardi 459
sanctibarbarus 455, 459–460
veraepacis 459–460
Nycticebus coucang 131
Occidozyga 131
Odocoileus virginianus 1
Odontophrynus 64, 67
americanus 63, 72
occidentalis 64, 72
Oedipina 14
Ophryacus melanurus 188–193, 196–203
undulatus 184–185, 188–191, 194, 197–201, 203
Opuntia 444
Ornithodoros sp. 499, 503
Orthogeomys 270
Osteopilus brunneus 431
Otophryne ***pyburni*** 301, 304–305, 307–**309,** 311–315
pyburni 312
robusta 301–303, 305–310, 312–316
robusta steyermarki 301–303
steyermarki 301, 303–307, 312–313, 315–316
Pachydactylus 31
Palmatogecko 31
Pandanus 27
Paragehyra gabriellae 31
petiti 31
Paratelmatobius 62–65
lutzi 67–68, 72
Paroedura 20, 30
Pedostibes hosii 453
kempi 453
tuberculosus 453
Pelobates syriacus 68
Pelodytes caucasicus 72
punctatus 68, 354, 360–361
Pelorius 61–62
Percina 406
Perochirus guentheri 331
Perognathus 267, 270–271
Phelsuma 22, 31, 342
astriata 331
barbouri 32
breviceps 32
dubia 32
lineata 32
madagascariensis 32
modesta 32
mutabilis 32
pronki 32
standingi 32
sundbergi 331
guttata 32
Phenacosaurus neblininus 250
Phrynopus biligoniger 72
flavomaculata 72
flavomaculatus 62
parkeri 62, 72
peruvianus 62, 64–65, 72
Phrynosoma douglassi 525
Phyllobates 385
terribilis 375
Phyllodactylus 19, 30–31
barbouri 20
brevipes 20, 32
peringueyi 18, 22
porphyreus 20
wirshingi 335
Phyllostachys edulis 426
Physalaemus 65
petersi 63, 68, 72
pustulosus 62, 64, 72
Pica pica 100
Picea mariana 114
Pimephales 407
Piscidium 50
Platysaurus 413
Plesiomicrolophus 517
Plethodon 260, 262, 271, 285
albagula 257
cinereus 257, 259, S31-S32, S47, S57
glutinosus 145–146, 257, 259, 272–273, 281, S31–S33
jordani 143–152, 257, 259, 272–273, S33
kentucki 282
ouachitae 257
shenandoah 259
teyahalee 143–144, 150, 273
yonahlossee 257
Pleurodema 63–65, 68–69
brachyops 62, 72
bufonina 50
cinerea 72
marmorata 72
tucumana 72

Plica 493
umbra 508
Polypedates 133
leucomystax 129–132, 134–135, 137–141
Populus tremuloides 89
Porthidium dunni 201
hyoprora 201
melanurum 184–185, 187, 200–202
nasutum 184–185, 188, 190–191, 194–201, 203
ophryomegas 184–185, 188, 190, 192, 195, 197–201, 203
volcanicum 184
yucatanicum 185, 191, 201
Portulaca oleracea 417
Potomotyphlus 157
Procellosaurinus 248
Proceratophrys cristiceps 72
Pseudacris crucifer 10, 406
Pseudemydura umbrina 103–104, 109–111
Pseudemys scripta 104
Pseudoboa coronata 246, 250
Pseudoeurycea leprosa 282
rex 228
Pseudopaludicola mysticalis 57, 68, 72
Pseudotriton ruber S31
Pseudotsuga menziesii 89
Psilophthalmus 248
Ptilostomis banksiana 5
Ptyodactylus 30
Purshia tridentata 90
Rana 7, 56, 131
aurora 405–406
brownorum 402–406
cascadae 405–407
esculenta 405, 431
heckscheri 405–406
limnocharis 73–75, 78–81
palustris 2
pipiens 262, 406
pretiosa 406
sylvatica 1–6, 8–11, 368
temporaria 405, 431
utricularia 405
Ravenala 27
Retama monosperma 396
Rhacophorus 81, 131
Rhadinaea 208–210, 213
godmani 216
hempsteadae 216
Rhadinophanes 207, 209–211, 213, 215, 217–218
Rheobatrachus 57
Rhinophrynus dorsalis 68
Rhoptropella 31
Rhoptropus 31
Rhyacotriton 296
cascadae 282
kezeri 282
variegatus 282
Rosmarinus officinalis 396
Rynchnospora alba 114
Salamandra 296
salamandra 281–282
Salix 89, 396
Salmo 435
Salvelinus 435
Scaphiopus holbrooki 431
hurteri 68, 72
Sceloporus 517
acanthinus 522
adleri 522
aeneus 522, 525–527, 529
aeneus subniger 522
angustus 523
asper 522
bicanthalis 522–529
bulleri 522
carinatus 522
cautus 522
chaneyi 522
chrysostictus 522
clarkii 522–523
couchii 522
cozumelae 522
cryptus 522
cyanogenys 522, 528, 541
dugesi 528
dugesii 522
edwardtaylori 522–523
exsul 534
exul 522
formosus 522–523, 528
gadoviae 522–523
goldmani 522
graciosus 522–523, 525
grammicus 434–435, 437–438, 446, 522–523, 528–529
heterolepis 522
horridus 522
hunsakeri 522
insignis 522
internasalis 522
jalapae 522–523
jarrovi 522, 527–528
licki 522
lunaei 522
lundelli 522–523
macdougalli 522
maculosus 522–523
magister 522–523
malachiticus 522, 528
megalepidurus 522–523, 528
melanorhinus 522
merriami 522–523
mucronatus 522, 526, 528–529
nelsoni 522
occidentalis 522, 525, 540–541
occidentalis taylori 534
ochoterenae 522
olivaceus 522–523, 540
orcutti 522
ornatus 522
palaciosi 522
parvus 522
poinsetti 528
poinsettii 522
prezygus 522
pyrocephalus 522–523
rufidorsum 522

scalaris 521–525, 527, 529–530
serrifer 522
shannonorum 522
siniferus 522–523
spinosus 522–523
squamosus 522
stejnegeri 522
subniger 522
subpictus 522
taeniatus 522
taeniocnemis 229
tanneri 522
teapensis 522
torquatus 522–523, 526, 528
undulatus 522–524, 534, 540
undulatus erythrocheilus 540–541
utiformis 522–523
variabilis 522–523
virgatus 522, 524, 533–535, 537–541
woodi 522
Schistometopum thomense 154–159
Scinax lindsayi 249
Sciurus 270
Sibon 208–209, 217
fischeri 216
Sibynomorphus 208–209, 217
Sinocalamus latiflorus 426
Siphonops annulatus 159
Smilisca baudinii 403–404
cyanosticta 402–406
Somuncuria 64, 67
somuncurensis 51
somuncuriensis 70, 72
Spea bombifrons 360–361
Sphaerodactylus altavelensis 335
cryphius 335
difficilis 334
ladae 333–336
plummeri 334
rhabdotus 334–335
schuberti 333–335
Sphenodon 97, 161, 252, S5
Stefania 315
Stenorrhina 212
degenhardti 212
freminvillei 213
Sternotherus minor 174, 179–180
odoratus 174, 179–180
Strobilurus 493
Synapturanus rabus 249
salseri 249–250
Syrrhophus 61, 62
Tantalophis 207, 209–211, 217–218
Tantilla 17
bairdi 216
Tapinurus 493
Taricha sierrae 270
torosa 270
Tartentola 31
Telmatobius 64–65
breviceps 72
culeus 54, 63, 70, 72
marmorata 72
marmoratus 70
peruvianus 65, 70, 72
schreiteri 72
truebae 63, 72
Telmatobufo 53, 62–65, 67–69
bullocki 72
venustus 56, 72
Tenebrio 534–535
Terrapene carolina S33
Thamnophis elegans 88, 95–97, 99–100
fulvus 229
sirtalis 83–87, 523, S33
sirtalis parietalis 534
sirtalis sirtalis 83
Thomomys bottae 282
Thorius arboreus 282
boreas 282
macdougalli 282
Thoropa 53, 63, 65, 67
miliaris 72
Tretioscincus 248
Tribolium 535
Trigonocephalus lansbergii 200
Triturus cristatus 364
italicus 282
vulgaris 364
Tropidodipsas 208, 217
Tropidurus amathites 515
azureus 513–514, 516, 520
bogerti 514, 520
callathelys 493–495, 497–**498,** 499, 501–503, 506, 509, 515–518
catalanensis 513
cocorobensis 504, 514
chromatops 493–495, 498, **503**–507, 514, 516–517
divaricatus 515
erythrocephalus 504, 515
etheridgei 493, 495, 503–504, 514, 516–517, 520
flaviceps 513–514, 516–517, 520
guarani 493, 498,509–510, 512, 513, 515, 520
helenae 514
hispidus 493–494, 504, 515–516, 520
hygomi 504, 514, 520
insulans 504, 515
itambere 504, 513, 515, 520
lumarius 515
melanopleurus 493, 495, 497–499, 502, 513, 515–518, 520
melanopleurus melanopleurus 499, 513
melanopleurus pictus 494, 499, 513
montanus 504, 513–515, 520
mucujensis 504, 514
nanuzae 493, 515, 520
occipitalis 493
oreadicus 504, 514, 516, 520
peruvianus 493
pinima 514
plica 495, 507, 515–516
psammonastes 504, 514
semitaeniatus 514, 520
sp. 520
spinulosus 493, 495, 498–499, 503, 509, 512–513, 515–517, 520
spinulosus guarani 493

strobilurus 514, 520
torquatus 493, 495, 504, 513–515, 520
torquatus catalanensis 513
umbra 493, 495, 507, 508, 513, 515–516, 520
umbra ochrocollaris 493, 507–508
umbra umbra 508
xanthochilus 493–495, 498–499, 503, 507, **509**–510, 512–513, 515–517
Tupinambus **cerradensis** 477, **479**–492
duseni 477
longilineus 477–479, 483–490, 492
merianae 477, 479, 483–492
nigropunctatus 477
rufescens 477, 479, 483, 485–490, 492
teguixin 477, 479–480, 483, 485, 487–492
Typhlonectes compressicauda 157, 159
Uapaca bojeri 340
Uracentron 493
Uranoscodon 493
Urocotyledon inexpectata 18
Uroplatus 30
Urosaurus ornatus 392, 535, 540–541
Urotropis platensis 275
Uta palmeri 392
Utricularia vulgaris 114
Vanzolinius 53, 63–65, 69
discodactylus 68, 72
Vanzosaura 248
Varanus acanthurus 44
beccarii 44
doreanus 34–37, 39–40, 43–44
doreanus finschi 35
dumerilii dumerilii 42
finschi 35, 39, 43
indicus 34–36, 39, 42, 44
indicus indicus 35
indicus jobiensis 35
indicus kalabeck 35
indicus spinulosus 35
jobiensis 34–37, 39, 43–44
kalabeck 35
karlschmidti 35
olivaceus 44
panoptes 44
prasinus 44
rudicollis 44
salvadorii 44
salvator 34–36, 42, 44
spinulosus 35, 39, 43
timorensis 44
yuwonoi 34, **36,** 37, 39–40, 42–43
Xantusia riversiana 331
vigilis 331
Xenochrophis piscator 131
Xenopus laevis 360–361, 405–406
Xenosaurus platyceps 409–413
Xiphophorus 533
Zachaenus 62–63, 69
parvulus 72
stejnegeri 72
Zonosaurus 342

Herpetologica, 54(4), 1998, 559–560
© 1998 by The Herpetologists' League, Inc.

TOPICAL INDEX

HERPETOLOGICA

Volume 54 December 1998

ACADEMIC ELECTICISM, S6–S11.
ACADEMIC FUNDAMENTALISM, S6–S11.
ACADEMIC PROGRAM, S21–S30.
ACOUSTIC PLAYBACK EXPERIMENT, *Polypedates leucomystax* 129–142.
ACTIVITY, *Charina bottae* 88–103.
AEROBIOSIS, *Chrysemys picta* 112–121.
AGGRESSION, *Microlophus occipitalis* 161–169; *Schistometopum thomense* 154–160.
ALARM PHEROMONE, *Bufo marinus*, *Rana brownorum*, and *Smilisca cyanosticta* (response to damaged conspecific larvae) 402–408.
ALLOZYMES, *Bothrops asper* 462–469; *Ensatina eschscholtzii* 254–278; *Plethodon jordani* 143–153; *Polypedates leucomystax* 129–142; *Rana limnocharis* 73–82.
ALLOZYME VARIATION, *Bufo microscaphus* complex 317–325.
AMPLEXUS, *Colostethus stepheni* and *C. marchesianus* 377–387.
ANTIPREDATOR BEHAVIOR, *Bufo marinus*, *Rana brownorum*, and *Smilisca cyanosticta* (larvae) 402–408.
APOSEMATIC COLORATION, *Atelopus zeteki* 370–376.
BASKING, *Chrysemys picta* 112–121; *Pseudemydura umbrina* 103–112.
BIODIVERSITY EDUCATION, S17–S21.
BIODIVERSITY RESEARCH, S17–S21.
BIOGEOGRAPHY, *Ensatina* 279–298; *Rana limnocharis* 73–82.
BODY CONDITION, *Pseudemydura umbrina* 103–112.
BODY GROWTH, *Sceloporus virgatus* 533–543.
BODY TEMPERATURE, *Charina bottae* 88–103.
BURROWING, *Schistometopum thomense* 154–160.
CAREERS, S67–S75.
CHEMOSENSORY BEHAVIOR, *Xenosaurus platyceps* 409–413.
COADAPTED GENE COMPLEXES, *Sceloporus grammicus* complex 434–447.
COLOR PATTERN, *Chamaeleo chamaeleon* 395–402; *Sceloporus virgatus* 533–543.
COMMUNICATION, *Chamaeleo chamaeleon* 395–402; *Microlophus occipitalis* 161–169; *Schistometopum thomense* 154–160.
COMMUNITY STRUCTURE, *Rana sylvatica* and *Ambystoma maculatum* 1–13.
CONFIRMATORY RESEARCH, S64–S66.
CRITICAL THINKING, S6–S11.
CYTOCHROME b, *Ensatina eschscholtzii* 254–278.
DEFICIENTY OF F_1 HYBRIDS, *Plethodon jordani* 143–153.
DENSITY EFFECTS, *Chirixalus eiffingeri* (tadpoles) 425–433.
DEVELOPMENT, *Atelopus zeteki* 370–376; *Bombina orientalis* (skeleton) 344–363.
DEVELOPMENTAL STABILITY, *Sceloporus grammicus* complex 434–447.
DIET, *Egernia stokesii* (juveniles and adults) 414–419.
DISPLAY, *Microlophus occipitalis* 161–169.
DISTRIBUTION, *Bachia bresslaui* 169–174; *Colostethus stepheni* and *C. marchesianus* 377–387.
ECOLOGY, *Bachia bresslaui* 169–174; *Chirixalus eiffingeri* (tadpoles) 425–433.
ECTOPARASITES, *Tropidurus* 493–520.
EDITORS, S54–S63.
EDUCATION, S1–S2; S3–S5; S6–S11; S12–S16; S17–S21; S21–S30; S75–S82.
EGG PREDATION, *Ambystoma maculatum* (by tadpoles of *Rana sylvatica*) 1–13.
EGGS, *Nototriton picadoi* 13–18.
ESCALATION, *Microlophus occipitalis* 161–169.
EVOLUTION OF VIVIPARITY, *Sceloporus* 521–532.
EXPERIMENTATION, S64–S66.
EXPLORATORY RESEARCH, S64–S66.
FIELD RESEARCH, S21–S30.
FIELD STATION, S21–S30; S30–S34.
FLUCTUATING ASYMMETRY, *Sceloporus grammicus* complex 434–447.
FORAGING, *Xenosaurus platyceps* 409–413.
GENDER BIASES, S35–S42.
GENE FLOW, *Kinosternon subrubrum* and *K. baurii* 174–184.
GENETICS, *Thamnophis sirtalis* (inheritance of melanism) 83–87.
GENETIC VARIATION, *Bothrops asper* 462–469; *Rana limnocharis* 73–82.
GEOGRAPHIC GENETIC DIFFERENTIATION, *Ensatina eschscholtzii* 254–278; *Plethodon jordani* 143–153.
GRAVID COLORATION, *Tropidurus* 493–520.
HATCHLINGS, *Nototriton picadoi* 13–18.
HERPETOLOGY EDUCATION, S1–S2; S3–S5; S6–S11; S12–S16; S17–S21; S21–S30; S75–S82.
HYBRIDIZATION, *Plethodon jordani* 143–153.
HYBRID ZONE, *Sceloporus grammicus* complex (2 chromosome races) 434–447.
INTRASEXUAL SELECTION, *Microlophus occipitalis* 161–169.
INTRODUCED SPECIES, *Bufo marinus* in Australia (toxicity of tadpoles to invertebrates) 364–369.
JUVENILE DEVELOPMENT, *Sceloporus virgatus* 533–543.
LIMB MORPHOLOGY, *Bachia* 245–253.
MANUSCRIPTS, S54–S63.
MATE CHOICE, *Anolis sagrei* 388–394.

MATERNAL BROOD CARE, *Chirixalus eiffingeri* 425–433.
MELANISM, *Thamnophis sirtalis* 83–87.
METABOLIC RATE, *Chrysemys picta* 112–121.
MORPHOLOGY, *Ophryacus* (née *Porthidium*) *melanurum* (and related pitvipers) 184–206.
mtDNA, *Lepidodactylus* ***vanuatuensis*** 325–332.
MYOLOGY, Neotropical leptodactylid frogs (hand and throat) 53–72.
NATURAL HISTORY MUSEUMS, S17–S21.
NATURAL SELECTION, *Ambystomax maculatum* (egg color polymorphism) 1–13.
NESTING, *Chrysemys picta* 112–121; *Nototriton picadoi* 13–18.
NEW GENUS, ***Chapinophis*** 209.
NEW SPECIES, *Abronia* ***frosti*** (Gratemala) 222; *Ansonia* ***inthanon*** (Thailand) 448; *Apostolepis* ***quirogai*** (Argentina) 470; *Atelognathus* ***ceii*** (Patagonia, Chile) 45; *Bachia* ***pyburni*** (Colombia) 246; ***Chapinophis xanthocheilus*** (Guatemala) 210; *Ebenavia* ***maintimainty*** (Madagascar) 27; *Lepidodactylus* ***vanuatuensis*** (Vanuatu, Melanesia) 327; *Mabuya* ***nancycoutuae*** (SC Madagascar) 337; *Neusticurus* ***juruazensis*** (Brazil) 236; *Nototriton limnospectator* (Honduras) 455; *Otophryne* ***pyburni*** (N South America) 309; *Sphaerodactylus* ***schuberti*** (Dominican Republic) 333; *Tropidurus* ***callathelys*** (Bolivia) 498; *Tropidurus* ***chromatops*** (Bolivia) 503; *Tropidurus* ***xanthochilus*** 509; *Tupinambis* ***cerradensis*** (Brazil) 479; *Varanus* ***yuwonoi*** (Halmahera Island, Indonesia) 36.
OOPHAGY, *Chirixalus eiffingeri* (tadpoles) 425–433.
OPERATIVE TEMPERATURE, *Charina bottae* 88–103.
OPPORTUNISTIC PREDATORS, *Rana sylvatica* tadpoles 1–13.
ORAL PRESENTATIONS, S67–S75.
ORNAMENTS, *Microlophus occipitalis* 161–169.
OSSIFICATION SEQUENCE, *Bombina orientalis* 344–363.
OSTEOLOGY, *Bombina orientalis* 344–363.
OVIPOSITION, *Chrysemys picta* 112–121.
PATTERNING, *Atelopus zeteki* 370–376.
PEDAGOGY, S6–S11.
PEER REVIEW, S54–S63.
PHYLOGENETICS, *Ensatina eschscholtzii* 279–298.
PHYLOGENETIC SYSTEMATICS, *Ophryacus* (née *Porthidium*) *melanurum* (and related pitvipers) 184–206.
PHYLOGENY, Anurans (skeletal data) 344–363.
PHYLOGEOGRAPHY, *Kinosternon subrubrum* and *K. baurii* 174–184.
PHYSICAL ENVIRONMENT, *Charina bottae* 88–103.
PHYTOTELMATA, *Chirixalus eiffingeri* 425–433.
POPULATION GENETICS, *Bothrops asper* 462–469.
POPULATION STRUCTURE, *Kinosternon subrubrum* and *K. baurii* 174–184.
POSTDOCTORAL FELLOWSHIPS, S17–S21.
POSTGRADUATE EDUCATION, S17–S21.
PREDATION, *Bufo marinus* (toxicity of tadpoles to invertebrates) 364–369.
PROFESSIONAL SOCIETIES, S67–S75.
PUBLISHING, S42–S54.
RADIOTELEMETRY, *Charina bottae* 88–103.
REFEREES, S42–S54; S54–S63.
REPRODUCTION, *Chrysemys picta* 112–121; *Colostethus stepheni* and *C. marchesianus* (Brazil) 377–387.
REPRODUCTIVE CONDITION, *Charina bottae* 88–103.
REPRODUCTIVE CYCLES, *Sceloporus* 521–532.
RESEARCH FUNDING, S17–S21.
RESEARCH OPPORTUNITIES, S30–S34.
RING SPECIES, *Ensatina eschscholtzii* 254–278; 279–298.
SCIENTIFIC TALKS, S67–S75.
SCIENTIFIC WRITING, S42–S54.
SEXUAL DIFFERENCES, *Chrysemys picta* 112–121.
SEXUAL DIMORPHISM, *Microlophus occipitalis* 161–169; *Schistometopum thomense* 154–160; *Tropidurus* 493–520.
SIGNALING, *Chamaeleo chamaeleon* (yellow spot colors of females) 395–402; *Microlophus occipitalis* 161–169.
SOCIETY MEETINGS, S67–S75.
SPECIATION, *Ensatina* 254–278.
SPECIES CONCEPTS, *Ensatina* 279–298.
SPERM COMPETITION, *Anolis sagrei* 388–394.
SYSTEMATICS, *Bufo microscaphus* complex 317–325; *Ebenavia* 18–34.
TADPOLES, *Atelopus zeteki* (development and ecology) 370–376.
TAXONOMY, *Bufo microscaphus* complex 317–325; *Ensatina* 279–298; *Lepidodactylus* (Pacific Group II species) 325–332; *Mabuya* (Madagascar) 336–343.
TEMPERATURE SELECTION, *Pseudemydura umbrina* 103–112.
THERMAL CONSTRAINT, *Charina bottae* 88–103.
THERMAL UTILIZATION, *Charina bottae* 88–103.
THERMOREGULATION, *Pseudemydura umbrina* 103–112.
TYPE I ERROR, S64–S66.
TYPE II ERROR, S64–S66.
VOCALIZATIONS, *Colostethus stepheni* and *C. marchesianus* 377–387; *Polypedates leucomystax* 129–142.
WRITING FOR PUBLICATION, S54–S63.
ZOOGEOGRAPHY, 448–454